



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

Tormax Technologies, Inc.
11803 Starcrest Drive
San Antonio, TX 78247

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 9300 Automatic Aluminum Sliding Glass Door w/ Reinforcements- L.M.I.

APPROVAL DOCUMENT: Drawing No. **05-367**, "Series 9300 Impact Automatics Sliding Glass Door" Sheets 1 through 4 of 4, prepared by EngCo. Inc., dated 11/28/05 and last revised on 06-02-2006, signed and sealed by Pedro De Figueiredo, P. E. bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA and, consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 06-0202.02
Expiration Date: June 22, 2011
Approval Date: June 22, 2006
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **05-367**, "Series 9300 Impact Automatics Sliding Glass Door" Sheets 1 through 4 of 4, prepared by EngCo. Inc., dated 11/28/05 and last revised on 06-02-2006, signed and sealed by Pedro De Figueiredo, P. E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistant Test per FBC, TAS 202-94 (Not Performed)
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with installation diagram of an automatic aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC Test Report No. **HTL 0368-0807-05** and **HTL 0368-0807-05**, both dated 11/28/05 signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Engco, Inc, dated 11/27/05, signed and sealed by Pedro De Figueiredo, P.E.
2. Glazing Complies with ASTM E1300-02 only.

D. QUALITY ASSURANCE BY

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

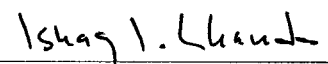
1. Notice of Acceptance No. **03-0514.15** issued to Oldcastle Glass, Inc for "Storm Glass used for lamination glass", expiring on 12/11/08.
2. Notice of Acceptance No. **03-0415.13** issued to Solutia, Inc for "Vanceva Composites used for lamination glass", expiring on 12/11/08.

F. STATEMENTS

1. Statement letters of conformance and "No financial interest", dated 01/04/06, signed and sealed by Pedro De Figueiredo, P.E.
2. Statement of compliance, issued as part of the above referenced test report.

G. OTHER

1. None



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 06-0202.02

Expiration Date: June 22, 2011

Approval Date: June 22, 2006

INDEX:

SHEET 1 of 4 - GENERAL NOTES, DESIGN RATING AND DOOR COMPONENTS
SHEET 2 of 4 - TYPICAL DOOR ELEVATION, FRAMING ANCHORAGE
SHEET 3 of 4 - SECTION 1 DETAIL & BILL OF MATERIALS
SHEET 4 of 4 - SECTION 2 & 3 DETAILS & GLAZING DETAIL

GENERAL NOTES:

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 ED., INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).

2- DEFINITION: THIS PRODUCT IS AN ALUMINUM LARGE MISSILE IMPACT RESISTANT AUTOMATIC SLIDING GLASS DOOR. PRODUCT CAN BE USED AT ANY ELEVATION WITHOUT HURRICANE PROTECTION SHUTTERS.

3- POSTING:
"9300 SERIES - LARGE MISSILE IMPACT
ALUMINUM AUTOMATIC SLIDING GLASS DOORS
TORMAX TECHNOLOGIES, INC.
SAN ANTONIO, TEXAS
DADE COUNTY PRODUCT CONTROL APPROVED"

4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER, AS PER ASCE 7, FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.

5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T5 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED GLASS AS PER SHEET 4 of 4 AS SPECIFIED ON THIS APPROVAL.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.

7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

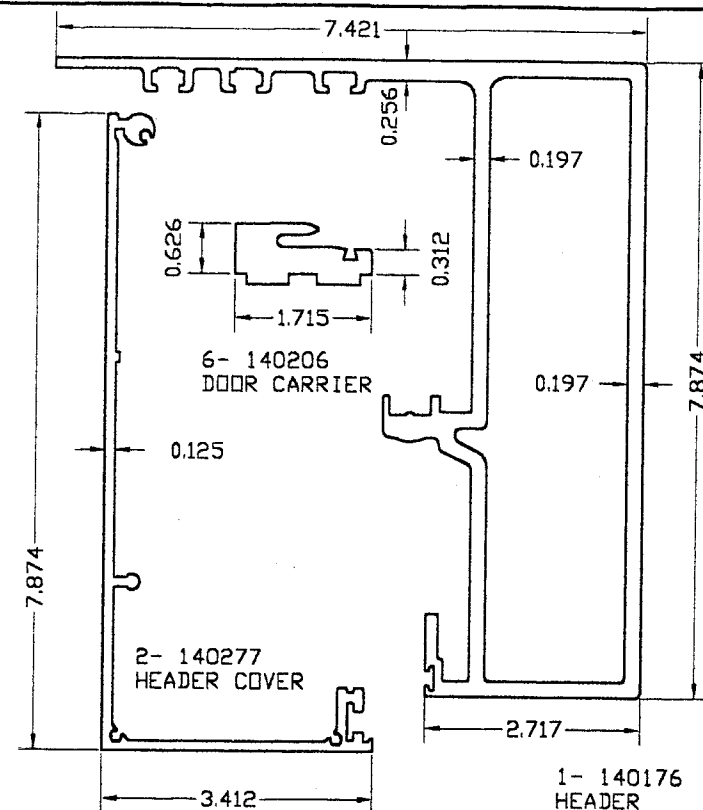
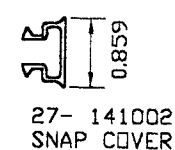
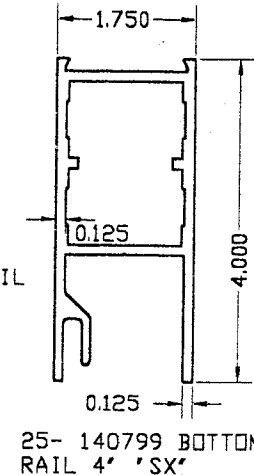
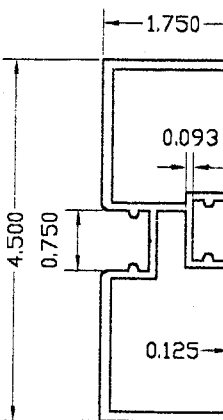
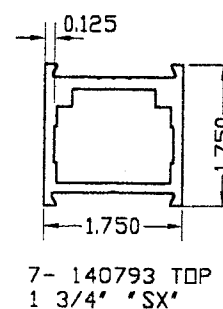
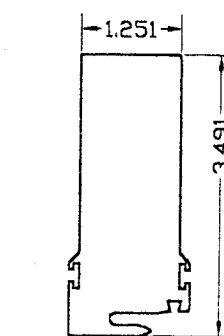
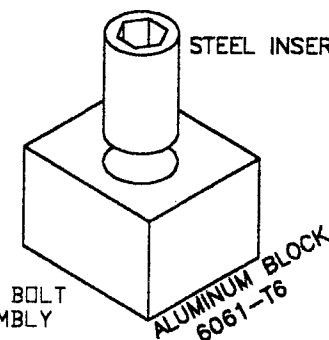
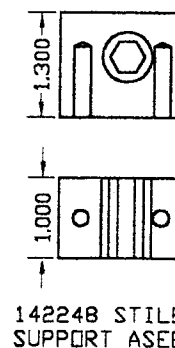
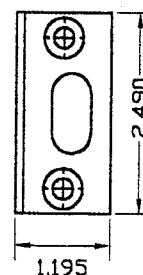
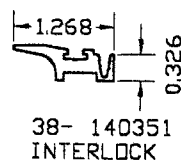
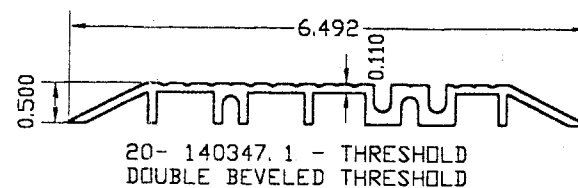
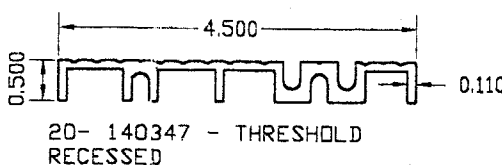
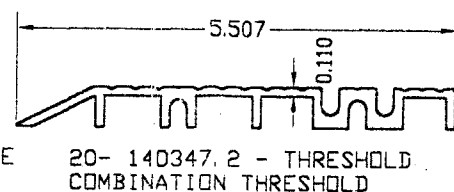
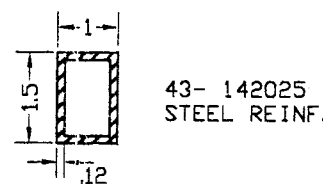
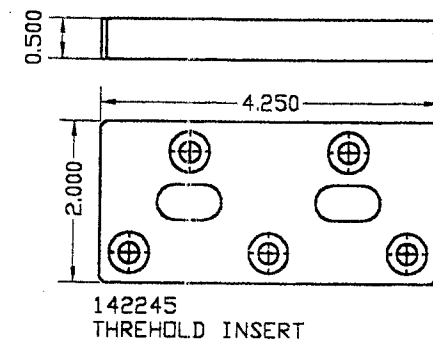
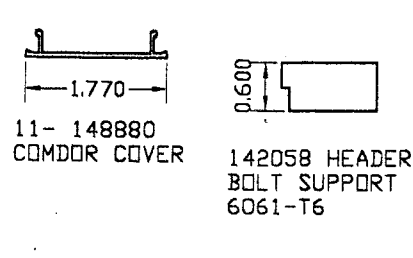
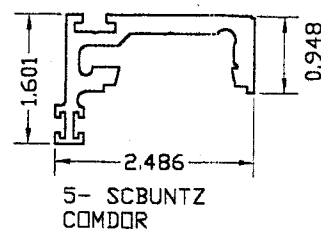
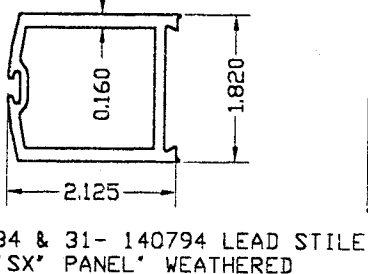
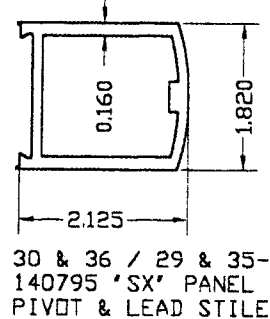
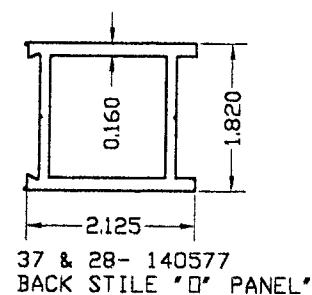
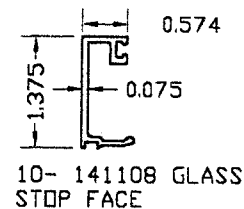
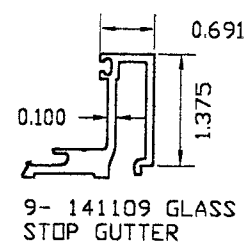
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

9- THIS SYSTEM COMPLIES W/ ASTM E1300-02

10- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FBC SECTION 2003.8.4.

DOOR COMPONENTS



MANUFACTURER:

★★★★★
TORMAX
TECHNOLOGIES, INC.

11803 STARCREST DR.
SAN ANTONIO, TX 78247
PHONE: (210) 494-3551
FAX: (210) 494-5930

PRODUCT:
SERIES 9300
IMPACT

LARGE MISSILE IMPACT
AUTOMATIC SLIDING
GLASS DOOR

Engineering:
EngCo Inc.

CA 8116
6971 W. SUNRISE BLVD. 104
PLANTATION, FL. 33313
TEL: (954) 585-0304
FAX: (954) 585-0305

[Signature]
JUN 01 2006

Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 5/31/06
Scale: NA
Design by: PPMF

Approved as complying with the
Florida Building Code
Date: JUNE 22, 2006
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Miami Dade Product Control
Division
By: [Signature]

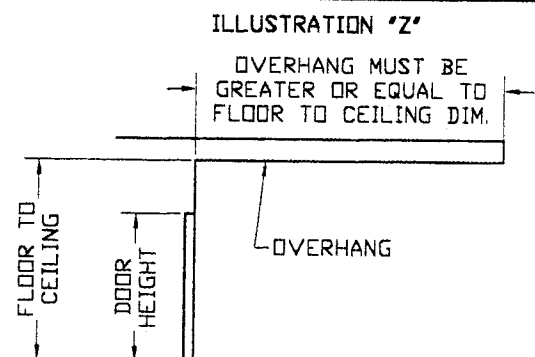
Drawing Number
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DOOR ALLOWABLE
DESIGNED PRESSURES

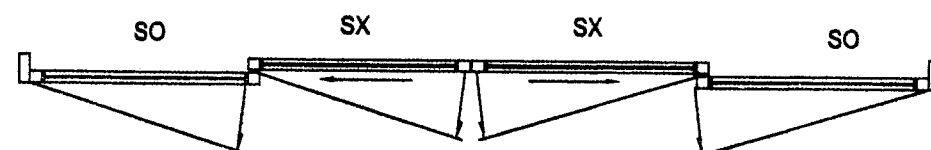
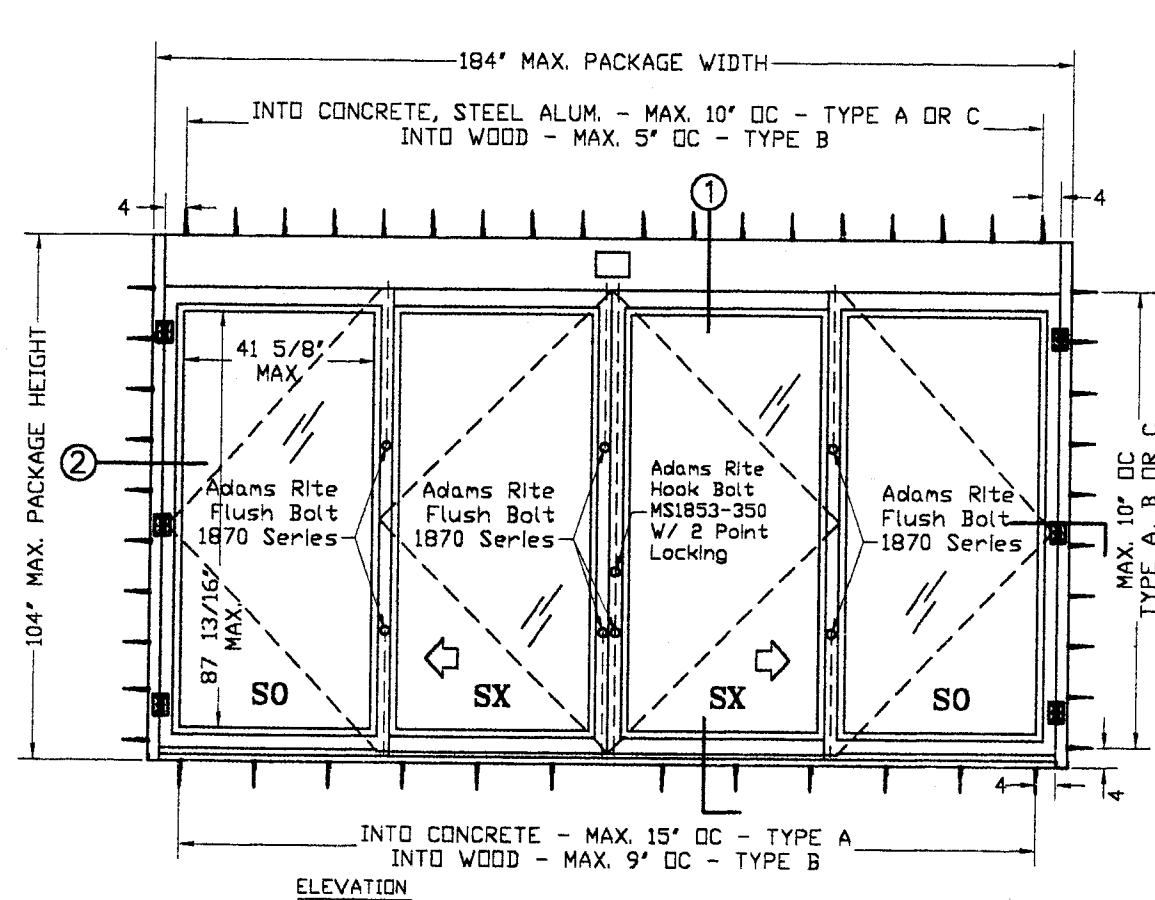
+55*, -55 PSF

LARGE MISSILE IMPACT



* PRODUCT CAN BE USED ONLY IN AREAS WHERE THE DOOR DESIGN IS NOT LIMITED BY WATER INFILTRATION OR MEETING THE CRITERIA AS PER ILLUSTRATION Z.

TYPICAL ELEVATION AND ANCHORAGE SPACING

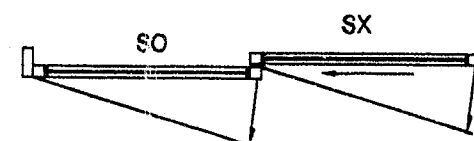
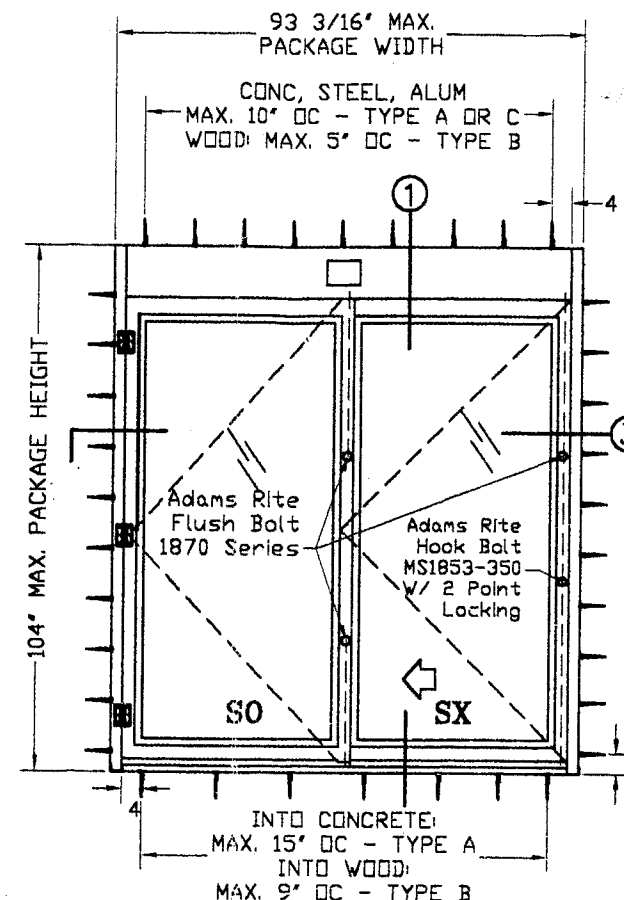


SECTION 1 - SHEET 3 of 4
SECTION 2 - SHEET 4 of 4

HARDWARE NOTE:
LOCK AND FLUSH BOLT HAVE
3/8" HEX BOLT EXTENDED 1/2"
INTO HEAD AND THRESHOLD

ANCHOR TYPES:	EDGE DISTANCE
A- 1/4" ITW TAPCON BY BUILDEX WITH 1 1/2" MIN. EMBEDMENT INTO 3192 psi CONCRETE	2 1/2"
B- 1/4" ITW TAPCON BY BUILDEX WITH 1 1/2" MIN. EMBEDMENT INTO WOOD (SG>=, 55)	3/4"
C- 1/4-14 HH SMS GRADE 5 GENERIC INTO 1/8" MIN. 6063-T5 ALUMINUM	3/4"
C- 1/4-14 HH SMS GRADE 5 GENERIC INTO 1/8" MIN. A36 STEEL	3/4"

ANCHOR NOTES:
1- SEE SECTION DETAILS FOR ANCHOR SPACING.
2- MINIMUM EMBEDMENT IS BEYOND WALL DRESSING.
3- TYPICAL 2 ROWS OF ANCHORS FOR THRESHOLD INSTALLATION
4- ALL STRUCTURE UNDER SEPARATE APPROVAL ENGINEERED TO WITHSTAND IMPOSED LOAD.



SECTION 1 - SHEET 3 of 4
SECTION 3 - SHEET 4 of 4

PACKAGE HEIGHT INFORMATION

PACKAGE HEIGHT	MASONRY OPENING W/ SHIM
8'-8" (104")	8'-8 1/4" (104 1/4")

PACKAGE WIDTH INFORMATION

PKG WIDTH	NOMINAL CLEAR DOOR OPENING	SLIDING DOOR / PANEL NOM. WIDTH	EMERGENCY BREAKOUT NOM. WIDTH
15'-4" (184")	78"	46 25/32"	171"
7'-9 3/16" (93 3/16")	38 7/8"	46 25/32"	85 1/2"

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AUTOMATIC SLIDING
GLASS DOOR

Engineering:

EngCo Inc.

CA 8116
6971 W. SUNRISE BLVD. 104
PLANTATION, FL. 33313
TEL: (954) 585-0304
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Engineer Seal
Pedro De Figueredo
PE 52609

Date: 5/31/06

Scale: NA

Design by: PPMF

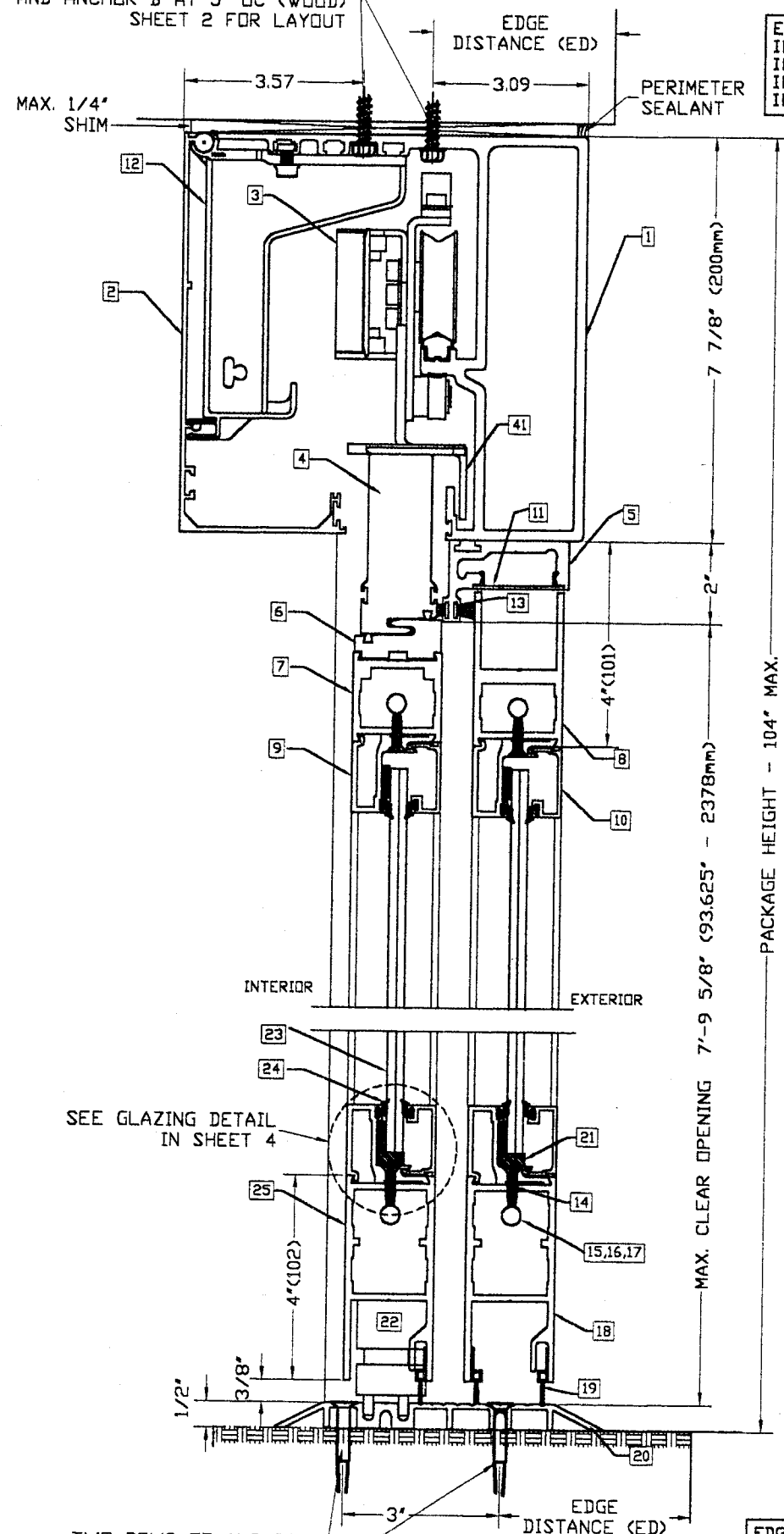
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Miami Dade Product Control
Division
By: Shag L. Liguori

Drawing Number
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SINGLE ROW OF STAGGERED ANCHORS
A & C AT 10" OC (CONC, STEEL, ALUM.)
AND ANCHOR B AT 5" OC (WOOD)
SHEET 2 FOR LAYOUT

TYPICAL VERTICAL SECTION 1



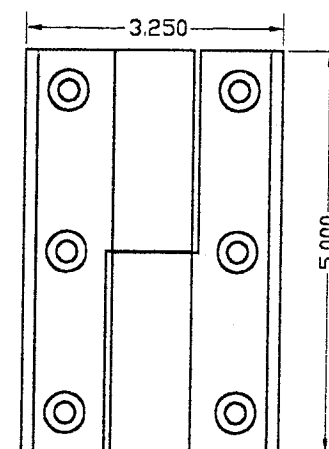
EDGE DISTANCE	
INTO CONCRETE	2 1/2"
INTO WOOD	3/4"
INTO ALUMINUM	3/4"
INTO STEEL	3/4"

EDGE DISTANCE	
INTO CONCRETE	2 1/2"
INTO WOOD	3/4"
INTO ALUMINUM	3/4"
INTO STEEL	3/4"

TWO ROWS OF ANCHORS
TYPE A SPACED AT 15" OC INTO CONCRETE
OR TYPE B SPACED AT 9" OC INTO WOOD
SEE SHEET 2 FOR LAYOUT

MATERIAL LIST

ITEM #	QTY	DESCRIPTION	PART NUMBER
1	1	HEADER	140176
2	1	COVER, HEADER	140277
3	4	TROLLEY ROLLER ASSEMBLY	110445
4	2	TROLLEY CARRIER	140204
5	1	COMDOR	SCB. UNTZ
6	2	DOOR CARRIER	140206
7	2	1-3/4" TOP RAIL, "SX"	140793
8	2	3" TOP RAIL, "SD"	140798
9	16	1-3/8" GUTTER, GLASS STOP	141109
10	16	1-3/8" FACE, GLASS STOP	141108
11	3	COMDOR COVER	014.8880
12	4	BRACKET, HEADER COVER	140219
13	1	PILE-FIN W. SEAL, HEADER & INTERLOCKS	141148
14	80	10-24 X 3/4" LG, FL HD PH SMS	140245-04
15	8	3/8" DIA ALL THREAD, THRU ROD	140167
16	16	RAIL CLIP, UNIVERSAL	140928
17	16	NUT, SERRATED FLANGE	140421-08
18	2	4" BOTTOM RAIL, "SD"	140799
19	4	FLOOR SWEEPER	140492
20	1	THRESHOLD, DOUBLE BEVELED	140349
21	AN	1/4" RUBBER SETTING BLOCK	
22	2	POP-UP GUIDE, NON-HANDED	142249
23	4	0.325" NOM. LAM. STORMGLASS, HT STR	
24	16	VINYL, GLASS STOPS	140132
25	2	4" BOTTOM RAIL, "SX"	140799
26	2	JAMB TUBE, POCKET	141011
27	2	SNAP COVER, JAMB TUBES	141002
28	1	REAR STILE, "SD" PANEL	140577
29	1	LEAD STILE, "SD" PANEL	140795
30	1	PIVOT STILE, "SX"	140795
31	1	LEAD STILE, WEATHERED, "SX" PANEL	140794
32	8	KEY OPERATED LOCK CYLINDER	
33	8	THUMBTURN LOCK CYLINDER	
34	1	LEAD STILE, WEATHERED, "SX"	140794
35	1	LEAD STILE, "SD" PANEL	140795
36	1	PIVOT STILE, "SX"	140795
37	1	REAR STILE, "SD" PANEL	140577
38	4	INTERLOCKS	140351
39	4	GASKET, INTERLOCKS	030.8877
40	1	PILE-FIN WEATHER STRIP, STILE	141147
41	2	DE-RAILER	142185
42	4	PILE-FIN WSEAL, HEADER & INTERLOCKS	141148
43	2	STEEL TUBE, 1x1.5x0.12 FULL LENGTH	142025
44	6	BUTT HINGES	141115
45	4	STEEL TUBE, 1.5x1.5x0.12 FULL LENGTH	142018
46	2	TYPE P. SPONGE RUBBER, BLACK, WSEAL	142026
47	2	INTERLOCK ADAM RITE FLUSH BOLTS	1870
48	3	LOCK STILE ADAM RITE FLUSH BOLTS	1870
49	1	LOCK STILE ADAM RITE 2 POINTS	MS1853-350



HINGE SET, PN 141115

44- 141115
BUTT HINGE SET

MANUFACTURER:

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Pedro Da Figueiredo
PE 52609

Date: 5/31/06

Scale: NA

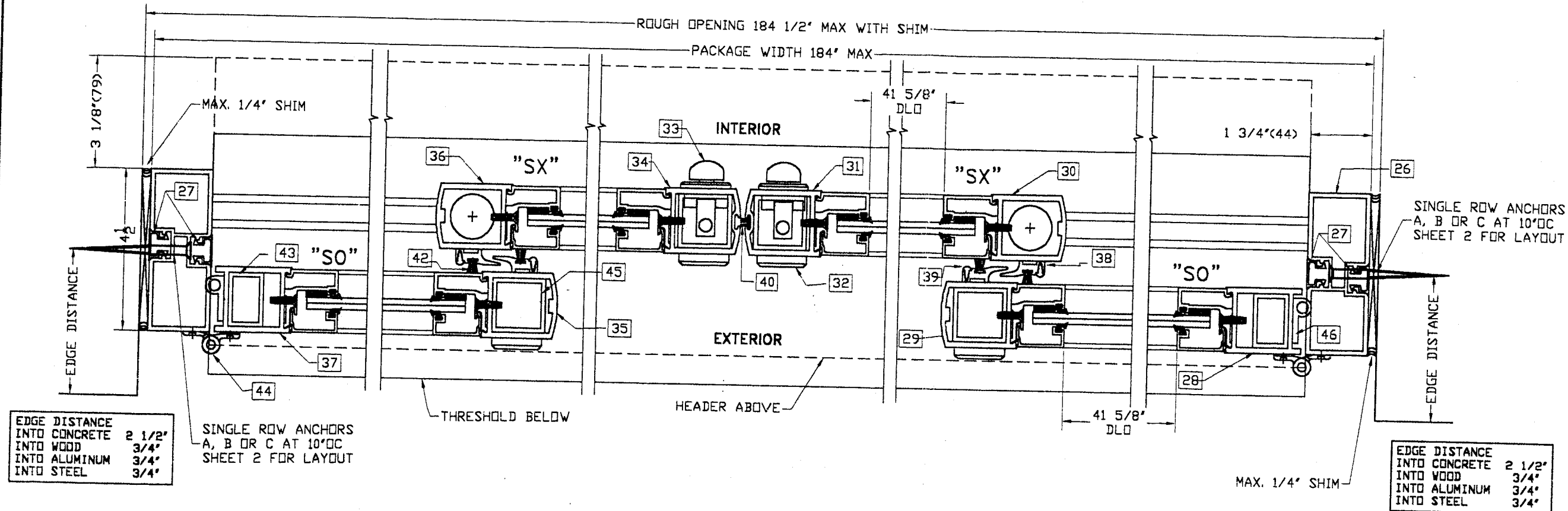
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By: Isaac I. Llanos

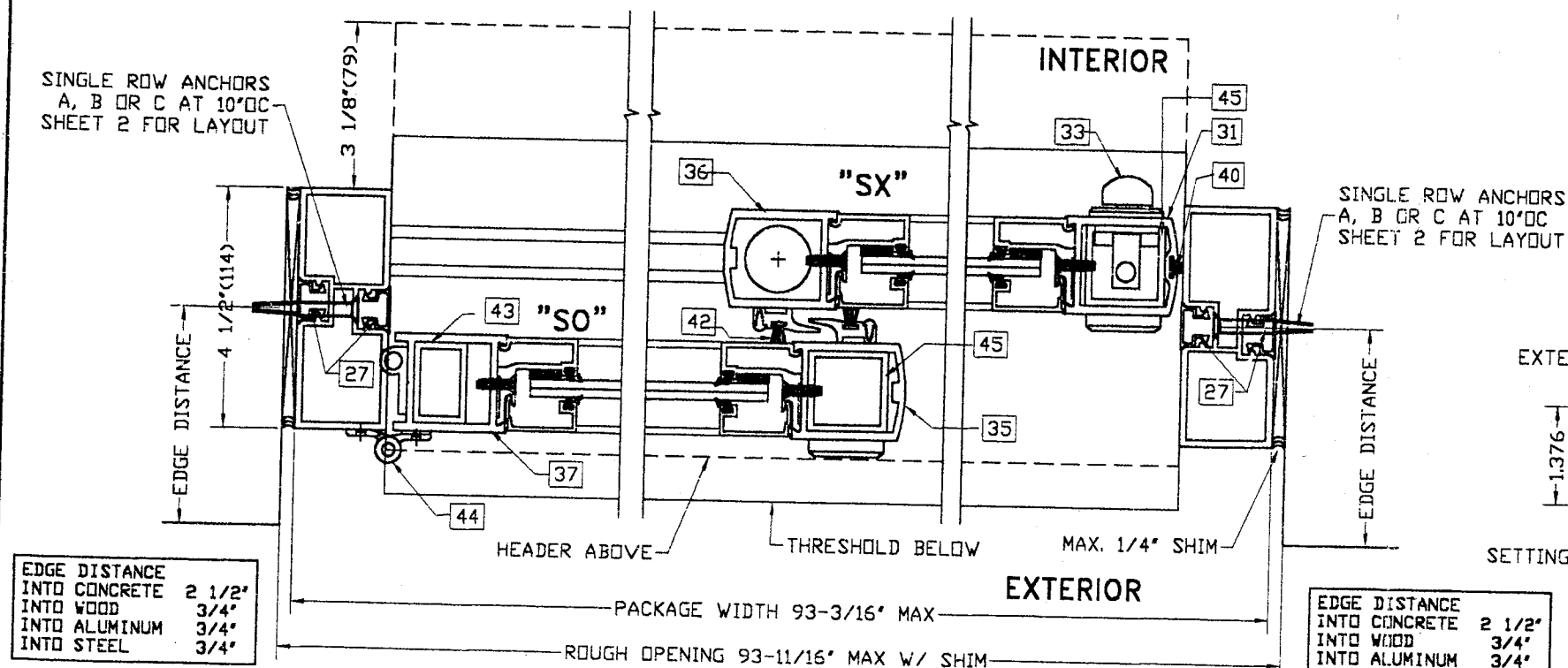
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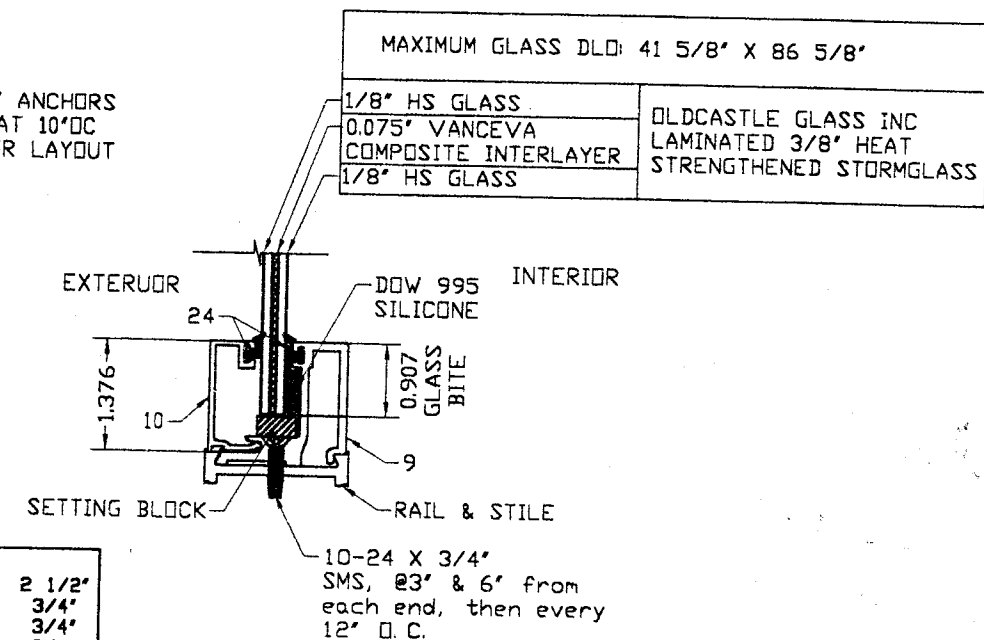
TYPICAL HORIZONTAL SECTION 2



TYPICAL HORIZONTAL SECTION 3



TYPICAL GLAZING DETAIL ENTIRE PERIMETER ALL LITES



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By: *[Signature]*

Drawing Number
05-367

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